

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: VIG, Harry

YOUNG, Jonathan

JANKOVICH, Paul A.

Assignee: MagiQ Technologies, Inc.

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Art Unit No.: 2431

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Examiner: VAUGHN, Michael R.

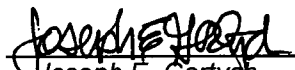
Title: Detector autocalibration in QKD  
Systems

Attorney Docket No. 037-03US1

Mail Stop: Amendment  
Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450**CERTIFICATE OF MAILING (37 CFR 1.8a)**

I hereby certify that this correspondence is, on the date shown below, being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to:

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Joseph E. GortychDate: **April 13, 2009****REPLY UNDER 37 CFR § 1.113**

In reply to the Second and Final Office Action dated April 01, 2009, Applicants submit the following Amendments and Remarks with respect to the above-identified patent application (the "Application"). Where necessary, reference is made hereinbelow to Applicants' published patent application, U.S. Pat. Pub. No. 2007/0133799 A1 (hereinafter, the "Published Application").

- **Amendments to the Claims** begin on page 2.
- **Remarks/Arguments** begin on page 7.